

# GIS REGISTRY INFORMATION

SITE NAME:	Badger Precision Inc						
BRRTS #:	03-10-109314			FID # (if appropriate):			
COMMERCE # (if appropriate):	54460-0308-08						
CLOSURE DATE:	March 10, 2004			MAR 12 2004			
STREET ADDRESS:	124 W 3rd St						
CITY:	Owen						
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):		X = 475340	Y = 497297				
<b>CONTAMINATED MEDIA:</b>		Groundwater <input checked="" type="checkbox"/>	Soil <input type="checkbox"/>	Both <input type="checkbox"/>			
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>		Yes <input type="checkbox"/>	No <input type="checkbox"/>	X			
<ul style="list-style-type: none"> <li>• IF YES, STREET ADDRESS:</li> <li>• GPS COORDINATES X = Y = (meters in WTM91 projection):</li> </ul>							
<b>OFF-SOURCE SOIL CONTAMINATION &gt;Generic or Site-Specific RCL (SSRCL):</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Yes</td> <td style="width: 25%;">No</td> <td style="width: 25%;">X</td> </tr> </table>					Yes	No	X
Yes	No	X					
<ul style="list-style-type: none"> <li>• IF YES, STREET ADDRESS 1:</li> <li>• GPS COORDINATES X = Y = (meters in WTM91 projection):</li> </ul>							
<b>CONTAMINATION IN RIGHT OF WAY:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
<b>DOCUMENTS NEEDED</b>							
Closure Letter, and any conditional closure letter issued <input checked="" type="checkbox"/>							
Copy of most recent deed, including legal description, for all affected properties <input checked="" type="checkbox"/>							
Certified survey map or relevant portion of the recorded plat map ( <i>if referenced in the legal description</i> ) for all affected properties <input checked="" type="checkbox"/>							
County Parcel ID number, <i>if used for county</i> , for all affected properties <input checked="" type="checkbox"/>							
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site. <input checked="" type="checkbox"/>							
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. <input checked="" type="checkbox"/>							
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching) <input checked="" type="checkbox"/>							
Tables of Latest Soil Analytical Results (no shading or cross-hatching)							
Isoconcentration map(s), <i>if required for site investigation (SI)</i> (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map. <input checked="" type="checkbox"/>							
GW: Table of water level elevations, with sampling dates, and free product noted if present <input checked="" type="checkbox"/>							
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees) <input checked="" type="checkbox"/>							
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour							
Geologic cross-sections, <i>if required for SI</i> . (8.5x14' if paper copy) <input checked="" type="checkbox"/>							
RP certified statement that legal descriptions are complete and accurate <input checked="" type="checkbox"/> NA							
Copies of off-source notification letters (if applicable)							
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)							
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure							



ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
P.O. Box 8044  
Madison, Wisconsin 53708-8044  
TDD #: (608) 264-8777  
Fax #: (608) 267-1381  
<http://www.commerce.wi.gov>  
<http://www.wisconsin.gov>  
**Jim Doyle, Governor**  
**Cory L. Nettles, Secretary**

March 11, 2004

Mr. Frances Washington  
James A Petersen Family Trust  
C/O Associated Trust Company  
400 S Chestnut Ave  
PO Box 510  
Marshfield, WI 54449-0510

RE: **Final Closure**

**Commerce # 54460-0308-08** WDNR BRRTS # 03-10-109314  
Badger Precision Inc, 124 W 3rd St, Owen

Dear Mr. Washington:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-0593.

Sincerely,

Brian F. Taylor  
Hydrogeologist  
Site Review Section

cc: Chris Mattson, MSA Professional Services  
Case File

NUMBER 452177	RECORDED: <u>Feb 7</u> 1995 AT <u>9:15 A.M.</u>	INDEXED TO: <u>Outlot 78A, 79A</u> <u>Outlot 80A, easmt.</u> <u>Plat -</u> <u>pt W 1/2 SE - 36-29-2W - OWEN</u>	RETURN TO: <u>James &amp; Minder</u> <u>P.O. Box 809</u> <u>Marshfield, WI 54499</u> Paid \$ <u>0.0</u> Cash <input type="checkbox"/> Chg. \$ <u>0.0</u> Check <input checked="" type="checkbox"/> Total \$ <u>0.0</u>
Vol. <u>537D</u>	Eugene Clark Register of Deeds, Clark Co., WI		
Page <u>168</u>	By _____ Deputy		

DOCUMENT NO.	STATE BAR OF WISCONSIN FORM 1-1982 WARRANTY DEED	THIS SPACE RESERVED FOR RECORDING DATA
<p>This Deed, made between ..... Agnes E. Petersen, Trustee ..... of Agnes E. Petersen, Revocable Trust, dated August 29, ..... 1990,..... ....., Grantor, and..... Badger Precision, Inc., a Wisconsin Corporation, ....., Grantee, Witnesseth, That the said Grantor, for a valuable consideration..... conveys to Grantee the following described real estate in ..... Clark..... County, State of Wisconsin:</p> <p>Outlot 80A, Assessor's Plat of the City of Owen, Clark County, Wisconsin; and</p> <p>That part of Outlot 78A and Outlot 79A, Assessor's Plat of the City of Owen, more particularly described as follows: Commencing at the Northwest corner of Outlot 80A; thence South along the West line of Outlot 80A to the Southwest corner of said Outlot; thence West 26 feet; thence North and parallel to the West line of Outlot 80A to the North line of Outlot 79A; thence East 26 feet to the point of beginning. Subject to an easement granted to David J. Paitel and Doris J. Paitel, their heirs and assigns for ingress and egress to the West 13½ feet of that part of Outlots 79A and 78A as described above. It is further agreed that no structures may be erected on that part of Outlot 79A and 78A for as long as the Paitels, their heirs and/or assigns or the Owner of Outlot 80A use the 13½ foot parcel for ingress and egress purposes.</p>		VOL. <u>537 PAGE 168</u> 452177 RCVD & RECORDED 2/7/95 AT 9:15 AM IN VOL 537 OF RECDS, PAGE 168. CLARK CO, WIS BY Eugene Clark, <u>10/07</u> RETURN TO Patrick J. Juneau Juneau, Minder, Gross, et al P.O. Box 809 <u>452177</u> Marshfield, WI 54499-0809
		Tax Parcel No: .....
		TRANSFER \$ <u>225.00</u> FEE
<p>This ..... is not ..... homestead property. (is) (is not)</p> <p>Together with all and singular the hereditaments and appurtenances thereunto belonging; And..... Grantor..... warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except easements, restrictions, reservations, zoning ordinances, rights of ways of record and general taxes for the year 1995 and will warrant and defend the same.</p> <p>Dated this ..... 3rd..... day of ..... February ..... 1995 (SEAL) Agnes E. Petersen Revocable Trust dated ..... <u>Agnes E. Petersen</u> <u>August 29, 1990</u> ..... (SEAL) ..... Agnes E. Petersen, Trustee ..... <u>Agnes E. Petersen</u> <u>1995</u> ..... (SEAL) .....</p>		
<p>AUTHENTICATION</p> <p>Signature(s) .....</p> <p>authenticated this ..... day of ..... 19.....</p> <p>TITLE: MEMBER STATE BAR OF WISCONSIN (If not authorized by § 706.00, Wis. Stats.)</p> <p>THIS INSTRUMENT WAS DRAFTED BY Patrick J. Juneau of the firm of: JUNEAU, MINDER, CROSS &amp; STEVNING-ROW, S.C. 214 W. 5th St., P.O. Box 809, Mfd., WI 54499-0809 (Signatures may be authenticated or acknowledged. Both are not necessary.)</p> <p>CBS</p> <p>*Name of person signing in any capacity should be typed or printed below their signature.</p>		<p>ACKNOWLEDGMENT</p> <p>STATE OF WISCONSIN Wood County, <u>ss.</u> Personally came before me this ..... 3rd..... day of February ..... 1995, the above named Agnes E. Petersen, trustee of Agnes E. Petersen Revocable Trust dated 29, 1990. to me known to be the person ..... who executed the foregoing instrument and acknowledge the same. KRISTIN A. HESS Notary Public ..... WOOD County, WI My Commission is permanent. (4 years expiration) dated ..... 19.....</p>

437328

RCVD &amp; RECORDED 8/31/92

AT 12:00 P.M. IN VOL

503 OF RECDS, PAGE 164

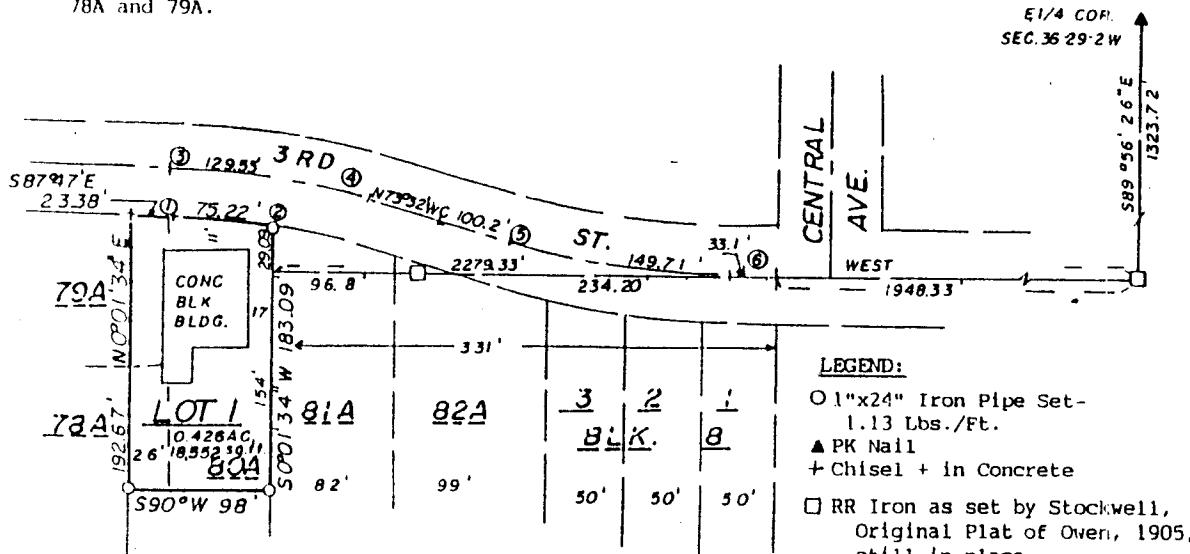
VOL. 503 PAGE 164

CLARK CO., WIS. BY

*Ernest Clark* 1/1/92

## CLARK COUNTY CERTIFIED SURVEY MAP NO. 386

PART OF THE SW $\frac{1}{4}$  OF THE SE $\frac{1}{4}$  OF SECTION 36, TOWN 29 NORTH, RANGE 2 WEST, CITY OF OWEN, CLARK COUNTY, WISCONSIN, BEING ALL OF OUTLOT 80A AND PART OF OUTLOTS 78A and 79A.

E1/4 COR.  
SEC. 36 29-2W

## CURVE DATA--

CURVE	RADIUS	CHORD BEARING	CHORD LENGTH	I. ANGLE
1 - 2	487.90	S 83° 22' 01" E	75.14'	8° 49' 58"
3 - 4	520.90	S 80° 39' 30" E	129.22'	14° 15' 00"
5 - 6	520.90	S 81° 46' 00" E	149.19'	16° 28' 00"

NOTE: The centerline of 3rd St. as marked by Iron Rails on each end assigned a bearing of WEST as a basis for the bearings on this map.

## SURVEYOR'S CERTIFICATE

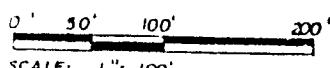
I, ANTHONY B. KIEDROWSKI, Registered Land Surveyor, hereby certify:

That I have surveyed and mapped this certified survey being in part of the SW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 36, Town 29 North, Range 2 West, City of Owen, Clark County, Wisconsin, being all of Outlot 80A and part of Outlots 78A and 79A, bounded and described as follows:

Commencing at the E $\frac{1}{4}$  corner of said Section 36, run thence S 89° 56' 26" E 1323.72 feet; thence WEST 2279.33 feet to the East line of OL80A of Owen Assessor's Plat and the point of beginning;

thence S 0° 01' 34" W 154 feet;  
 thence S 90° W 98 feet;  
 thence N 0° 01' 34" E 192.67 feet to the South line of 3rd Street;  
 thence S 87° 47' E 23.38 feet;  
 thence Easterly 75.22 feet along the arc of a curve to the right whose radius is 487.90 and the chord of which bears S 83° 22' 01" E, 75.14 feet;  
 thence S 0° 01' 34" W 29.09 feet to the point of beginning;

That I have made said survey and map at the direction of Gary Anderson of Badger Precision Inc.; that said map is a correct representation of the exterior boundaries of the land surveyed; that I have complied with the provisions of Chapter 236.34 of the Wisconsin Statutes and the Clark County Subdivision Regulations in surveying and mapping the same to the best of my knowledge and belief.

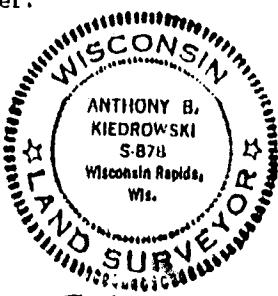


SCALE: 1" = 100'  
KIEDROWSKI ENGINEERING, INC.

4340 80TH ST. SOUTH  
WISCONSIN RAPIDS, WISCONSIN 54494

Field Book 117 Page 124

Drafted By S.J. HAUMSCHILD



*Anthony B. Kiedrowski*  
Anthony B. Kiedrowski  
RLS 878 August 25, 1992

Volume \_\_\_\_\_ Page \_\_\_\_\_

# MSA

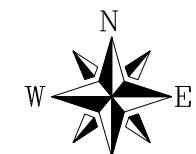
PROFESSIONAL SERVICES  
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### LEGEND

- — — PROPERTY LINE
- G — UNDERGROUND GAS
- E — UNDERGROUND ELECTRIC
- OHE — OVERHEAD ELECTRIC
- SAN — SANITARY SEWER
- W — WATERMAIN
- POWER POLE
- CATCH BASIN
- — — FLOW LINE
- - - SIDEWALK
- B-2 ■ ESA SOIL BORING



30 0 30  
SCALE IN FEET

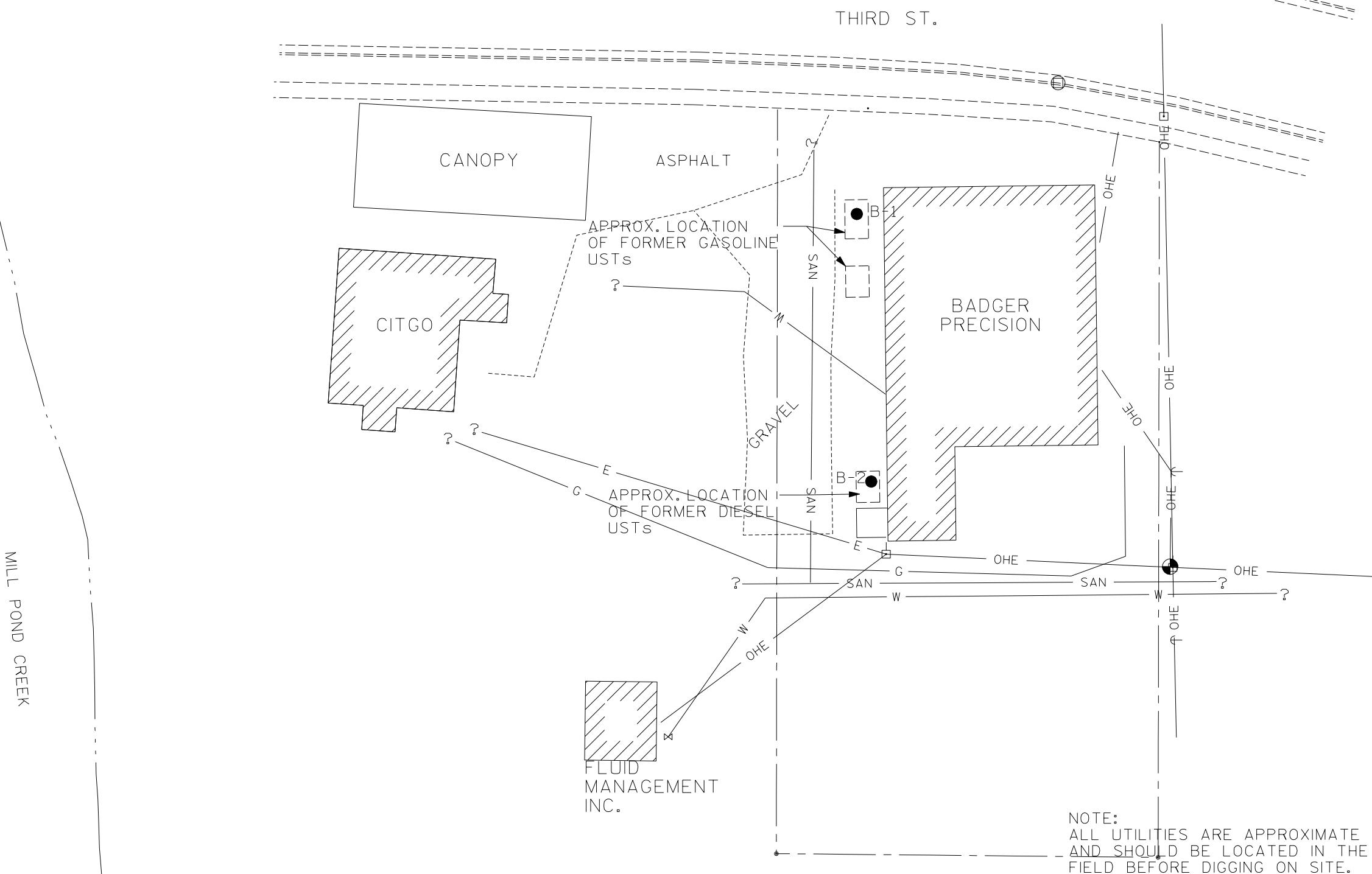


FIGURE 2  
SITE LAYOUT  
BADGER PRECISION  
OWEN, WISCONSIN

# MSA

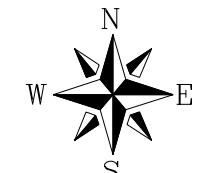
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### LEGEND

MW-1	MONITORING WELL
B-2	ESA SOIL BORING
GP-8	GEOPROBE SOIL BORING
- - -	PROPERTY LINE
- G -	UNDERGROUND GAS
- E -	UNDERGROUND ELECTRIC
- OHE -	OVERHEAD ELECTRIC
- - -	POWER POLE
□	CATCH BASIN
— W —	WATER
- - -	SIDEWALK



30 0 30  
SCALE IN FEET

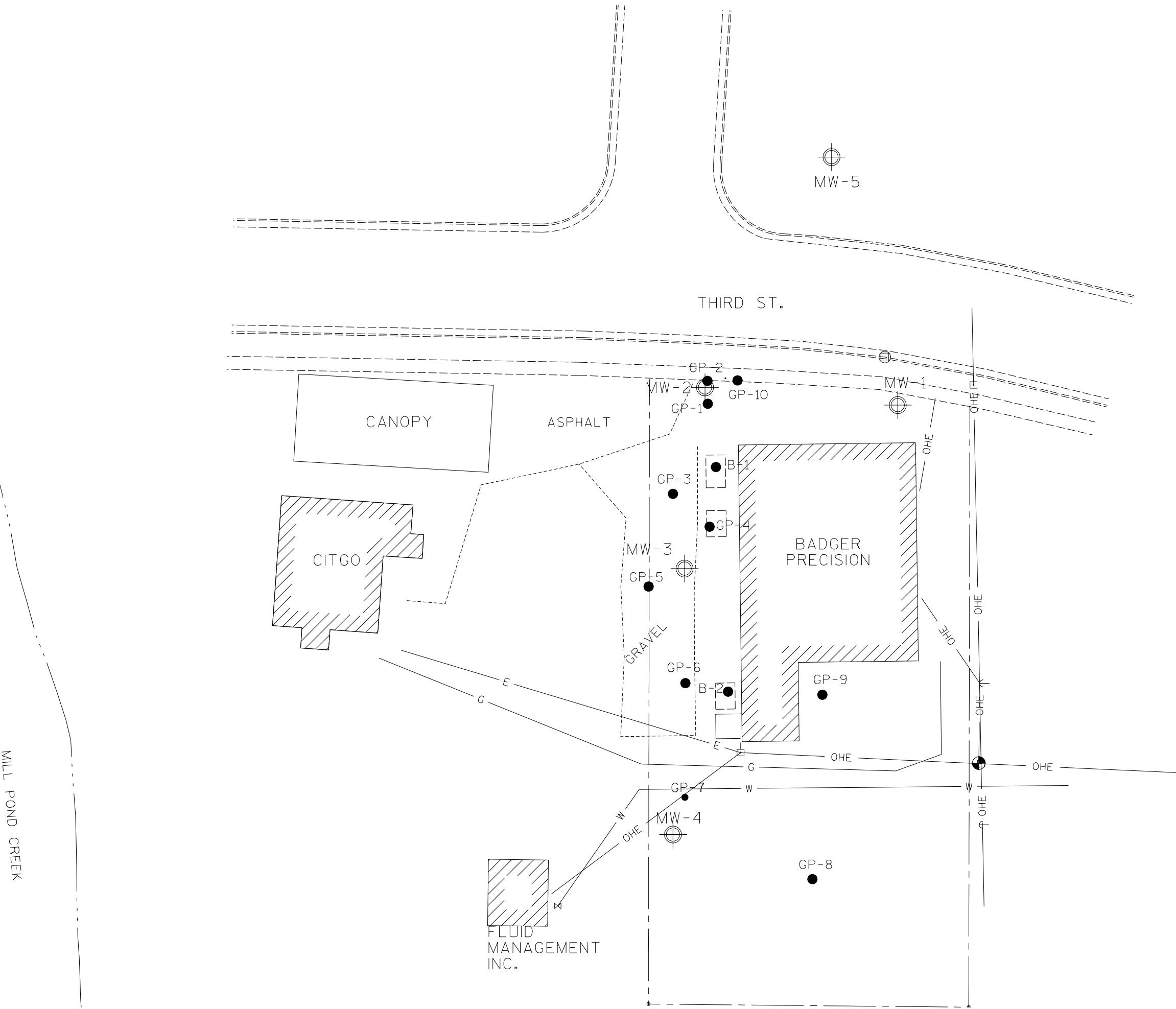


FIGURE 3  
GEOPROBE SOIL BORING AND  
MONITORING WELL LOCATIONS  
BADGER PRECISION  
OWEN, WISCONSIN

**Table 7**  
**Groundwater Analytical Sample Results**  
**Badger Precision, Owen, WI**

Identification	MW-1										WAC NR 140			
Groundwater Elevation (msl)	1229.83	1229.82	1228.73 1228.34 1229.71 1229.84 1228.44 1228.14 1228.65 1229.15											
Date Collected	05/13/97	06/25/97	10/20/98 01/22/99 04/27/99 07/28/99 11/03/99 01/12/00 04/12/00 07/20/00											
ANALYTE														
GRO (mg/L)	--	0.017	S o i l E x e c a v a t i o n -	--	--	--	<0.015	<0.030	<0.021	<0.014	0.016			
DRO (mg/L)	0.49	0.1	- S e p t e m b e r 2 1 -	--	--	0.19	<0.16>	<0.027	<0.028	<0.028	<0.026			
Lead (µg/L)	4.4	1.3	8 9 9 8	2.6	1.9		<1.4		<2.7	<1.2	<1.1	1.5	15	
PVOCs (µg/L)														
Benzene	--	--		--	--	--	<1.2>	<0.20	<0.10	<0.50	<0.50	0.5	5	
Methyl tert-butyl ether	--	--		--	--	--	<0.47	<0.20	<0.10	<0.30	<0.40	12	60	
Ethylbenzene	--	--		--	--	--	<0.54	<0.30	<0.10	<0.50	<0.50	140	700	
Toluene	--	--		--	--	--	<0.52	<0.20	<0.10	<0.50	<0.50	200	1000	
O-Xylene	--	--		--	--	--	<0.50	<0.30	<0.10	<0.50	<0.50			
M/P-Xylene	--	--		--	--	--	<1.0	<0.60	<0.30	<1.0	<1.0	1000*	10000*	
1,3,5-Trimethylbenzene	--	--		--	--	--	<0.52	<0.30	<0.10	<0.50	<0.50			
1,2,4-Trimethylbenzene	--	--		--	--	--	<0.55	<0.30	<0.10	<0.50	<0.50	96**	480**	
n-Butylbenzene	--													
sec-Butylbenzene	--													
tert-Butylbenzene	--													
Isopropylbenzene	--													
Dichlorodifluoromethane														
p-Isopropyltoluene	--													
Naphthalene	--	--		--	--	--	<1.7	<0.60	<1.0	<1.0	<1.0	8	40	
n-Propylbenzene	--													
Total PVOC Concentration (µg/l)	0	0		0	0	0	1.2	0	0	0	0			

PAL = ch. NR 140, Wis. Adm. Code, Preventive Action Limits

ES = ch. NR 140, Wis. Adm. Code, Enforcement Standard.

WAC = Wisconsin Administrative Code.

Blank = Parameter not analyzed.

-- = Parameter analyzed but not detected above laboratory's Limit of Detection (LOD).

< = Analytical result is less than the laboratory's Limit of Detection (LOD).

<> = Analytical result is between the Laboratory's LOD and Limit of Quantitation (LOQ).

\* = WAC NR 140 combined Xylene standards.

\* \* = WAC NR 140 combined Trimethylbenzene standards as of December 1998.

Bold = ES exceedance.

**Table 7**  
**Groundwater Analytical Sample Results**  
**Badger Precision, Owen, WI**

Identification		MW-2								MW-2 dup				WAC NR 140			
Groundwater Elevation (msl)		1228.76	1229.07									NA	NA	NA	NA		
Date Collected		05/13/97	06/25/97									10/20/98	01/22/99	04/27/99	07/28/99		
ANALYTE																	
GRO (mg/L)		5.0	7.2	S o i 1	4.4	3	3.7	4.2	1.4	1.9	1.9	3.4	6.3	4.2	5	3.3	
DRO (mg/L)		8.7	7.1	E x c a v a t i o n	4.3	2.8	26	5.0	1.5	1.0	2.0	1.8	4.4	2.1	56	2.7	
Lead (µg/L)		81	73	- S e p t e m b e r 2 1 - 1 9 9 8	18	7.7	47	40		53.8	36.3	57.9				1.5	15
PVOCS (µg/L)																	
Benzene		12	18		25	26	20	30	26	19	9.4	11	90	25	22	8.8	
Methyl tert-butyl ether		--	--		--	--	--	<9.4	<1.0	<0.10	<1.5	<4.0	--	--	--	<4.0	
Ethylbenzene		56	170		73	84	18	110	50	41	70	110	74	100	150	99	
Toluene		11	10		24	--	19	<24>	12	16	<2.5	<5.0	39	--	25	<5.0	
O-Xylene		23	40		--	11	37	38	8	<0.10	13	22	23	--	53	20	
M/P-Xylene		290	380		51	50	190	180	22	19	120	200	93	71	330	100	
1,3,5-Trimethylbenzene		170	240		40	93	140	150	30	26	88	140	43	120	190	130	
1,2,4-Trimethylbenzene		210	360		110	73	150	270	60	48	160	260	100	89	370	240	
n-Butylbenzene		130															
sec-Butylbenzene		23															
tert-Butylbenzene		12															
Isopropylbenzene		--															
Dichlorodifluoromethane																	
p-Isopropyltoluene		26															
Naphthalene		56	65		47			140	24	5.7	76	110	29		100	8	40
n-Propylbenzene		--															
Total PVOOC Concentration (µg/l)		772	1218		323	337	574	778	208	169	460.4	743	462	405	1140	597.8	

PAL = ch. NR 140, Wis. Adm. Code, Preventive Action Limits

ES = ch. NR 140, Wis. Adm. Code, Enforcement Standard.

WAC = Wisconsin Administrative Code.

Blank = Parameter not analyzed.

-- = Parameter analyzed but not detected above laboratory Method Detection Limits (MDLs).

&lt; = Analytical result is less than the laboratory's Limit of Detection (LOD).

&lt;&gt; = Analytical result is between the Laboratory's LOD and Limit of Quantitation (LOQ).

\* = WAC NR 140 combined Xylene standards.

\*\* = WAC NR 140 combined Trimethylbenzene standards as of December 1998.

Bold = ES exceedance.

**Table 7**  
**Groundwater Analytical Sample Results**  
**Badger Precision, Owen, WI**

Identification		MW-3										MW-3 dup								
<b>Groundwater Elevation (msl)</b>		<b>1228.19</b>	<b>1228.37</b>																	
<b>Date Collected</b>		<b>05/13/97</b>	<b>06/25/97</b>											<b>10/20/98</b>	<b>01/22/99</b>	<b>04/27/99</b>	<b>07/28/99</b>	<b>11/03/99</b>	<b>01/12/00</b>	
<b>ANALYTE</b>																				
GRO (mg/L)		11	8	S o i l  E x c a v a t i o n  - S e p t e m b e r  2 1 - 1 9 9 8	29	14	6.2	5.6	8.0	10.0	10.0	3.5	9.6	7.7	0.12	8.5	11.0	10.0		
DRO (mg/L)		3.2	3.5		6.7	3.8	8.7	3.8	3.6	3.7	5.4	1.6	4.1		3.1		3.3	4.3		
Lead (µg/L)		6.6	9.6		5.5	2.6	7.9	5.2		7.0	12.7	9.9	6.2	10				1.5		
<b>PVOCs (µg/L)</b>																				
Benzene		<b>230</b>	<b>160</b>		<b>900</b>	<b>2300</b>	<b>200</b>	<b>390</b>	<b>1400</b>	<b>1400</b>	<b>1300</b>	<b>280</b>	<b>230</b>	<b>150</b>	<b>8.9</b>	<b>1400</b>	<b>1500</b>	<b>1300</b>	0.5	5
Methyl tert-butyl ether		29	--		--	--	--	<24	<10	<5.0	22	14	29	--	<0.47	<10	<5.0	24	12	60
Ethylbenzene		360	220		300	670	150	200	500	670	<b>800</b>	170	340	230	4.2	500	<b>730</b>	<b>840</b>	140	700
Toluene		270	140		350	900	110	170	600	610	730	97	250	150	3.7	600	660	760	200	1000
O-Xylene		280	190		210	530	110	150	400	540	610	120	260	210	3.1	420	570	620		
M/P-Xylene		1400	570		730	1700	300	450	1300	1800	2100	370	1300	630	9.7	1400	1900	2200	1000*	10000*
1,3,5-Trimethylbenzene		<b>210</b>	<b>120</b>		<b>270</b>	<b>180</b>	48	92	<b>160</b>	<b>160</b>	<b>190</b>	66	<b>220</b>	<b>130</b>	1.9	<b>160</b>	<b>170</b>	<b>190</b>		
1,2,4-Trimethylbenzene		<b>690</b>	<b>360</b>		<b>500</b>	<b>560</b>	190	210	<b>460</b>	<b>550</b>	<b>630</b>	200	<b>690</b>	<b>380</b>	4.2	<b>470</b>	<b>550</b>	<b>650</b>	96**	480**
n-Butylbenzene		120												120						
sec-Butylbenzene		11												11						
tert-Butylbenzene		--												--						
Isopropylbenzene		58												32						
Dichlorodifluoromethane		--												--						
p-Isopropyltoluene		16												17						
Naphthalene		<b>97</b>	<b>74</b>		--			<b>130</b>	<b>160</b>	<b>180</b>		<b>46</b>	<b>93</b>	<b>61</b>	2.5	<b>140</b>	<b>170</b>	<b>180</b>	8	40
n-Propylbenzene		60												64						
<b>Total PVOC Concentration (µg/l)</b>		3469	1760		3260	6840	1108	1662	4820	5730	6382	1317	3319	1880	35.7	4950	6080	6584		

PAL = ch. NR 140, Wis. Adm. Code, Preventive Action Limits

ES = ch. NR 140, Wis. Adm. Code, Enforcement Standard.

WAC = Wisconsin Administrative Code.

Blank = Parameter not analyzed.

-- = Parameter analyzed but not detected above laboratory Method Detection Limits (MDLs).

&lt; = Analytical result is less than the laboratory's Limit of Detection (LOD).

&lt;&gt; = Analytical result is between the Laboratory's LOD and Limit of Quantitation (LOQ).

\* = WAC NR 140 combined Xylene standards.

\* \* = WAC NR 140 combined Trimethylbenzene standards as of December 1998.

Bold = ES exceedance.

**Table 7**  
**Groundwater Analytical Sample Results**  
**Badger Precision, Owen, WI**

<b>Identification</b>	<b>MW-4</b>										<b>WAC NR 140</b>				
	<b>Groundwater Elevation (msl)</b>		<b>1228.31</b>	<b>1227.13</b>	<b>1226.19</b>		<b>1226.01</b>	<b>1227.48</b>	<b>1227.24</b>	<b>1225.96</b>	<b>1225.8</b>	<b>1226.16</b>	<b>1226.74</b>	<b>PAL</b>	<b>ES</b>
<b>Date Collected</b>	<b>05/13/97</b>	<b>06/25/97</b>	<b>10/20/98</b>		<b>01/22/99</b>	<b>04/27/99</b>	<b>07/28/99</b>	<b>11/03/99</b>	<b>01/12/00</b>	<b>04/12/00</b>	<b>07/20/00</b>				
<b>ANALYTE</b>			S												
GRO (mg/L)	0.044	0.041	i	0.041	--	0.018	<0.015	<0.030	<0.021	<0.014	0.015				
DRO (mg/L)	2.2	3.8	l	0.51	0.65	0.14	<0.051	0.068	0.44	0.12	<0.026				
Lead ( $\mu\text{g}/\text{L}$ )	1.6	--	E	--	1.9	2	<1.6>	4	<2.7	<1.2	<1.1		1.5	15	
<b>PVOCs (<math>\mu\text{g}/\text{L}</math>)</b>			c												
Benzene	--	0.56	a	4.2	4.3	2.1	2.0	<0.20	1.7	0.55	<0.50		0.5	5	
Methyl tert-butyl ether	--	--	v	--	--	--	<0.47	<0.20	<0.10	<0.30	<0.40		12	60	
Ethylbenzene	1.8	--	t	--	--	--	<0.54	<0.30	<0.10	<0.50	<0.50		140	700	
Toluene	1.4	--	i	--	--	--	<0.52	<0.20	<0.10	<0.50	<0.50		200	1000	
O-Xylene	--	--	o	--	--	--	<0.50	<0.30	<0.10	<0.50	<0.50				
M/P-Xylene	--	2.0	n	--	--	1.3	<1.0	<0.60	<0.30	<1.0	<1.0		1000*	10000*	
1,3,5-Trimethylbenzene	--	0.27	e	--	--	--	<0.52	<0.30	<0.10	<0.50	<0.50				
1,2,4-Trimethylbenzene	--		p	--	--	--	<0.55	<0.30	<0.10	<0.50	<0.50		96**	480**	
n-Butylbenzene	0.25		t												
sec-Butylbenzene	--		e												
tert-Butylbenzene	1.7		b												
Isopropylbenzene	--		r												
Dichlorodifluoromethane	--		2												
p-Isopropyltoluene	--		1												
Naphthalene	--	--	9												
n-Propylbenzene	--		9												
<b>Total PVOC Concentration (<math>\mu\text{g}/\text{l}</math>)</b>	3.2	2.83	8	4.2	4.3	3.4	2	0	1.7	0.55	0				

PAL = ch. NR 140, Wis. Adm. Code, Preventive Action Limits

ES = ch. NR 140, Wis. Adm. Code, Enforcement Standard.

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\* = WAC NR 140 combined Xylene standards.

\* \* = WAC NR 140 combined Trimethylbenzene standards as of December 1998.

**Bold** = ES exceedance.

**Table 7**  
**Groundwater Analytical Sample Results**  
**Badger Precision, Owen, WI**

Identification	MW-5										WAC NR 140	
	Groundwater Elevation (msl)	1230.63	1231.31	1229.55	1229.19	1230.64	1230.61	1229.30	1229.00	1229.56	1230.04	PAL
Date Collected	06/25/97	09/16/97	10/20/98	01/22/99	04/27/99	07/28/99	11/03/99	01/12/00	04/12/00	07/20/00		
ANALYTE												
GRO (mg/L)	0.016	--	--	--	--	<0.015	<0.030	<0.021	<0.014	0.015		
DRO (mg/L)	--	--	--	--	--	<0.051	<0.027	0.86	<0.031	<0.026		
Lead ( $\mu\text{g}/\text{L}$ )	1.3		1.6	--	--	<1.4		<2.7	<1.2	<1.1	1.5	15
PVOCs ( $\mu\text{g}/\text{L}$ )												
Benzene	--	--	--	--	--	<0.50	<0.20	<0.10	<0.50	<0.50	0.5	5
Methyl tert-butyl ether	--	--	--	--	--	<0.47	<0.20	<0.10	<0.30	<0.40	12	60
Ethylbenzene	--	--	--	--	--	<0.54	<0.30	<0.10	<0.50	<0.50	140	700
Toluene	--	--	--	--	--	<0.52	<0.20	<0.10	<0.50	<0.50	200	1000
O-Xylene	--	1.7	--	--	--	<0.50	<0.30	<0.10	<0.50	<0.50		
M/P-Xylene	--	--	--	--	--	<1.0	<0.60	<0.30	<1.0	<1.0	1000*	10000*
1,3,5-Trimethylbenzene	--	--	--	--	--	<0.52	<0.30	<0.10	<0.50	<0.50		
1,2,4-Trimethylbenzene	--	--	--	--	--	<0.55	<0.30	<0.10	<0.50	<0.50	96**	480**
n-Butylbenzene	--											
sec-Butylbenzene	--											
tert-Butylbenzene	--											
Isopropylbenzene	--											
Dichlorodifluoromethane	2.4											
p-Isopropyltoluene	--											
Naphthalene	--						<1.7	<0.60	<1.0	<1.0	8	40
n-Propylbenzene	--											
<b>Total PVOC Concentration (<math>\mu\text{g}/\text{l}</math>)</b>	<b>0</b>	<b>1.7</b>				0	0	0	0	0		

PAL = ch. NR 140, Wis. Adm. Code, Preventive Action Limits

ES = ch. NR 140, Wis. Adm. Code, Enforcement Standard.

WAC = Wisconsin Administrative Code.

Blank = Parameter not analyzed.

-- = Parameter analyzed but not detected above laboratory Method Detection Limits (MDLs).

< = Analytical result is less than the laboratory's Limit of Detection (LOD).

<> = Analytical result is between the Laboratory's LOD and Limit of Quantitation (LOQ).

\* = WAC NR 140 combined Xylene standards.

\* \* = WAC NR 140 combined Trimethylbenzene standards as of December 1998.

Bold = ES exceedance.

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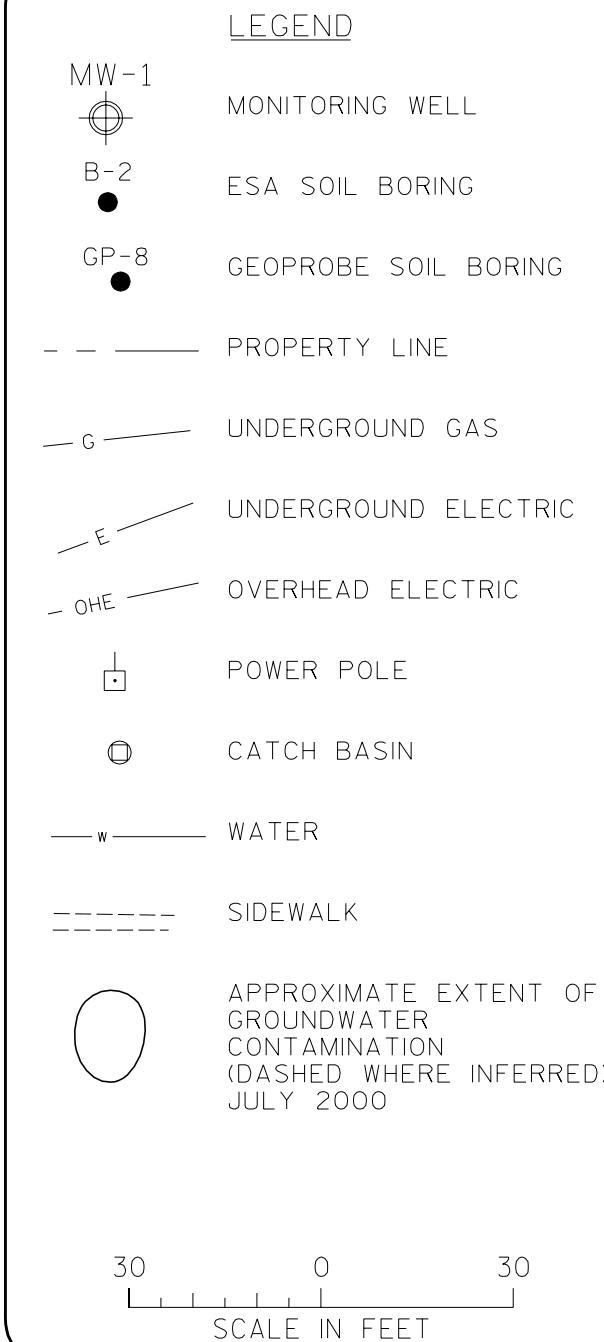
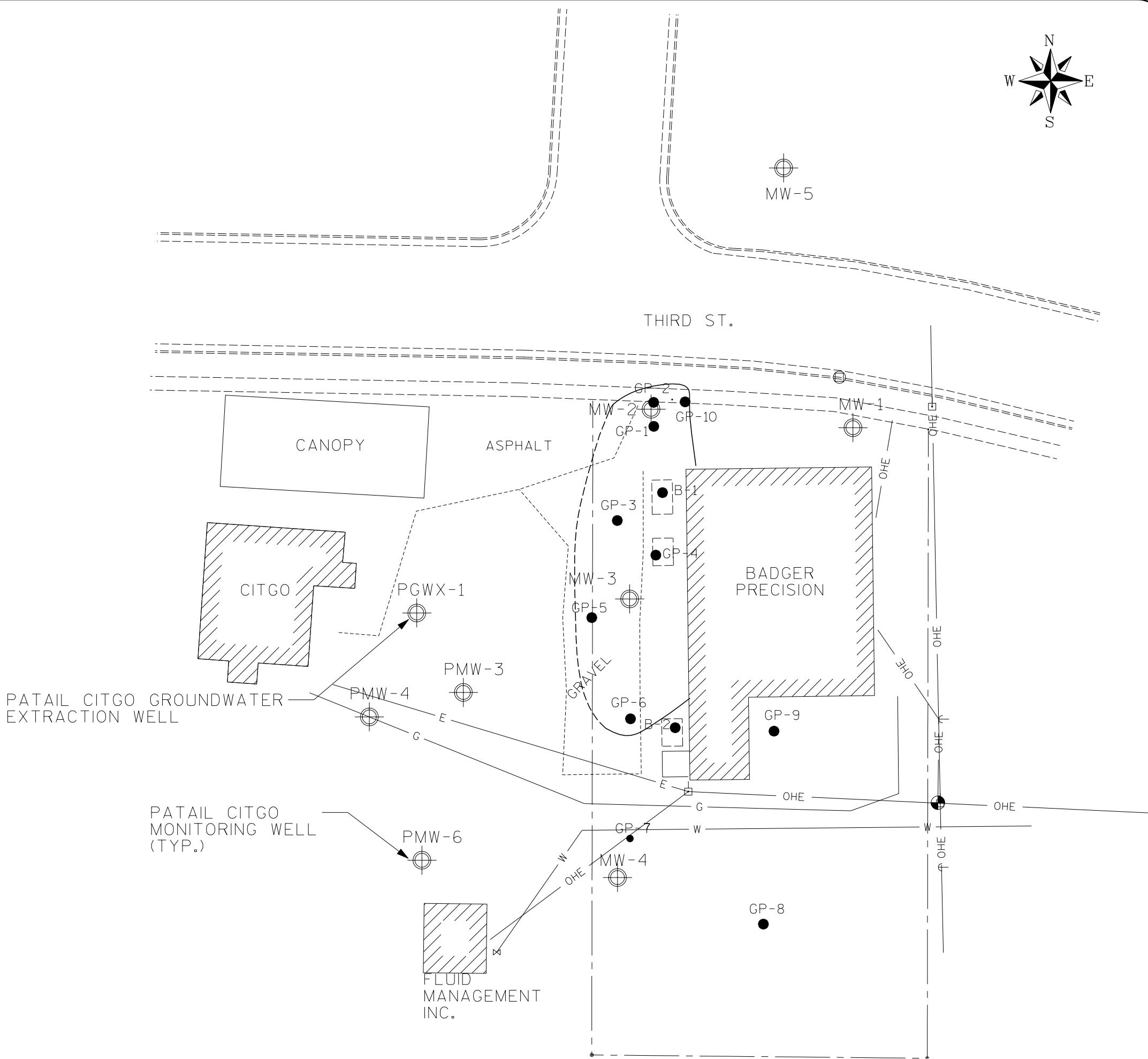
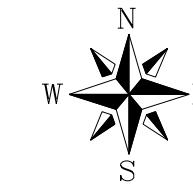
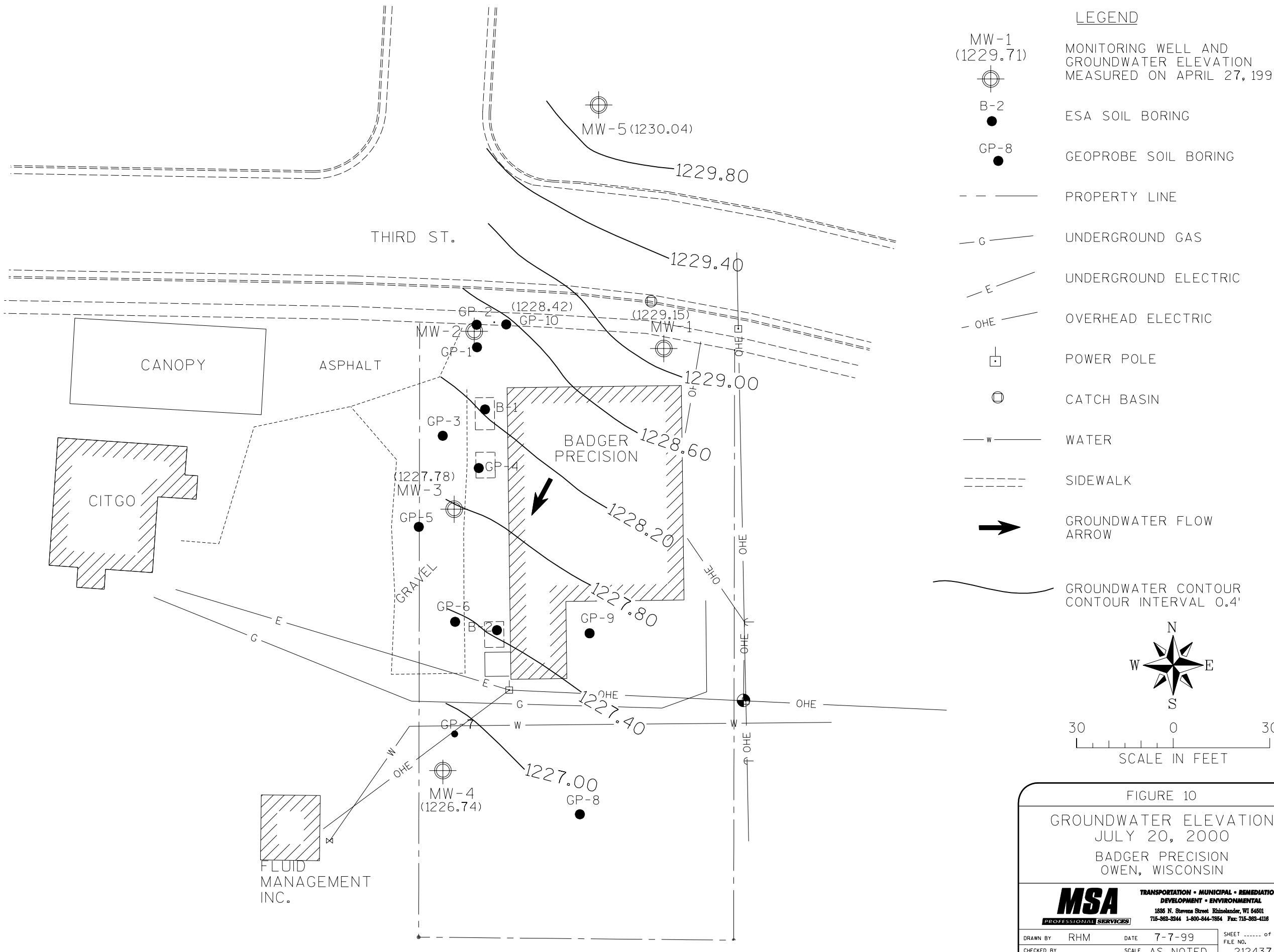


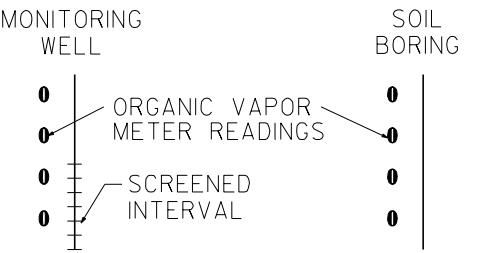
FIGURE 12  
APPROXIMATE EXTENT OF  
PETROLEUM CONTAMINATION TO  
GROUNDWATER  
BADGER PRECISION  
OWEN, WISCONSIN



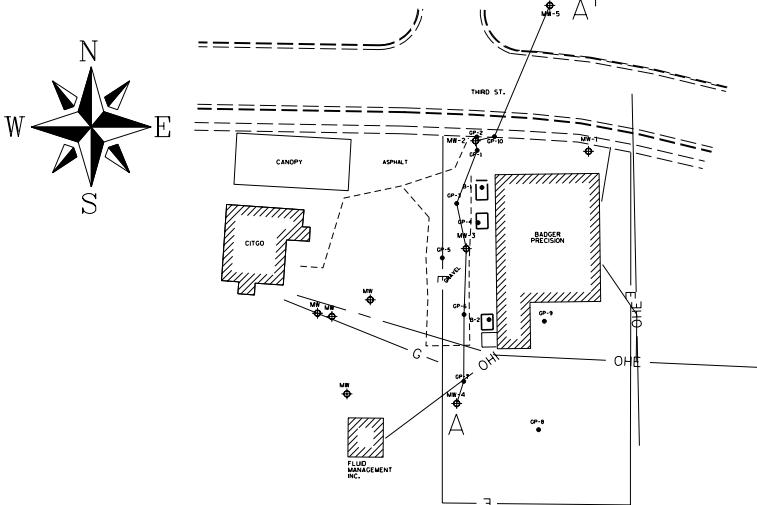
NOTES:

1. INFORMATION BETWEEN SOIL BORINGS IS INTERPRETED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN SOIL BORINGS ARE UNKNOWN
  2. GROUNDWATER ELEVATIONS WERE MEASURED ON 00/00/00.
  3. FOR THE PURPOSE OF ILLUSTRATING SUBSOIL CONDITIONS ON THE CROSS SECTIONS, SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS REFER TO SOIL BORING LOGS.
  4. GRO AND DRO RESULTS IN mg/Kg AND PVOC RESULTS IN  $\mu\text{g}/\text{Kg}$ .

## EXPLANATION



## LOCATION OF HYDROGEOLOGIC CROSS SECTION



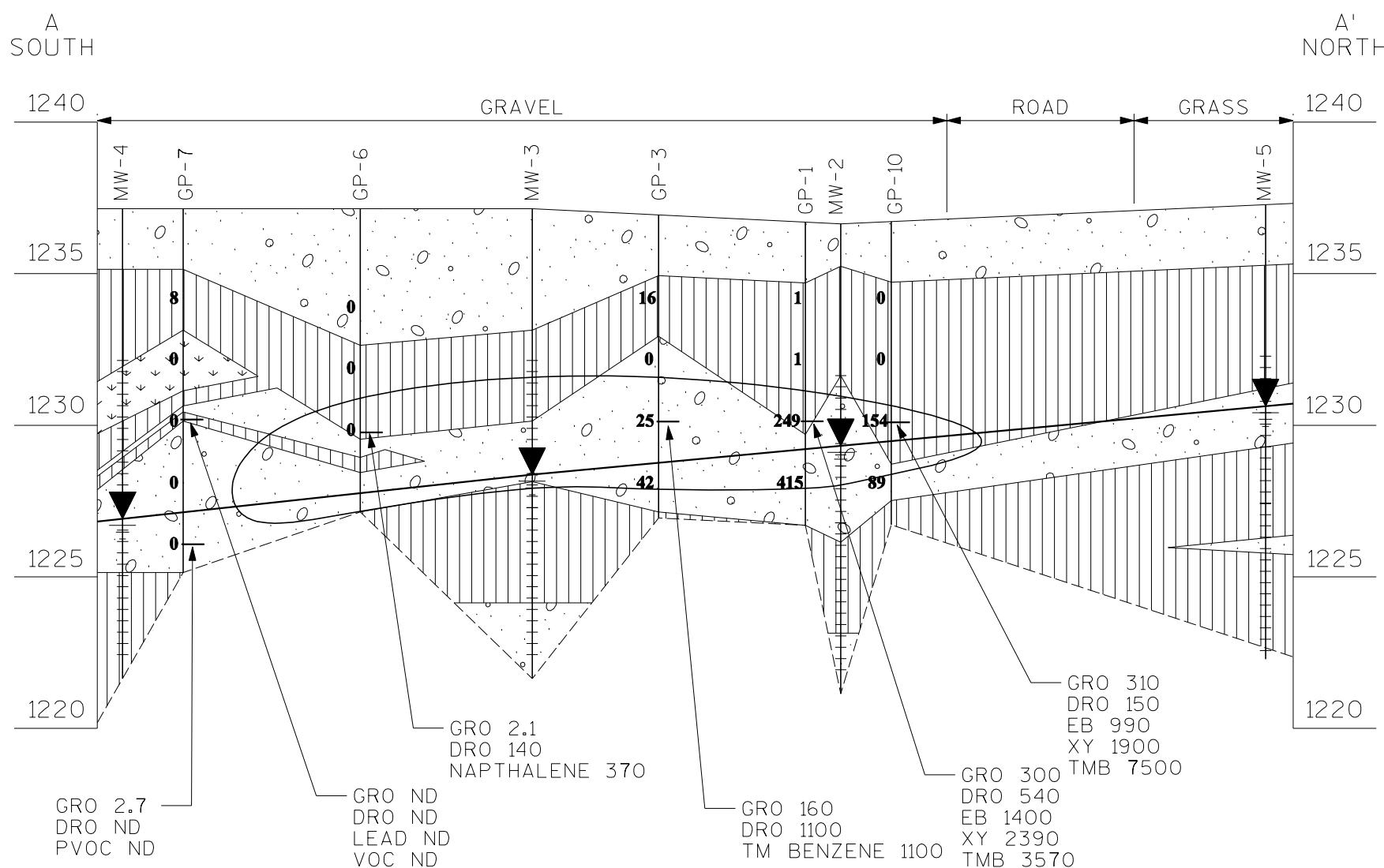
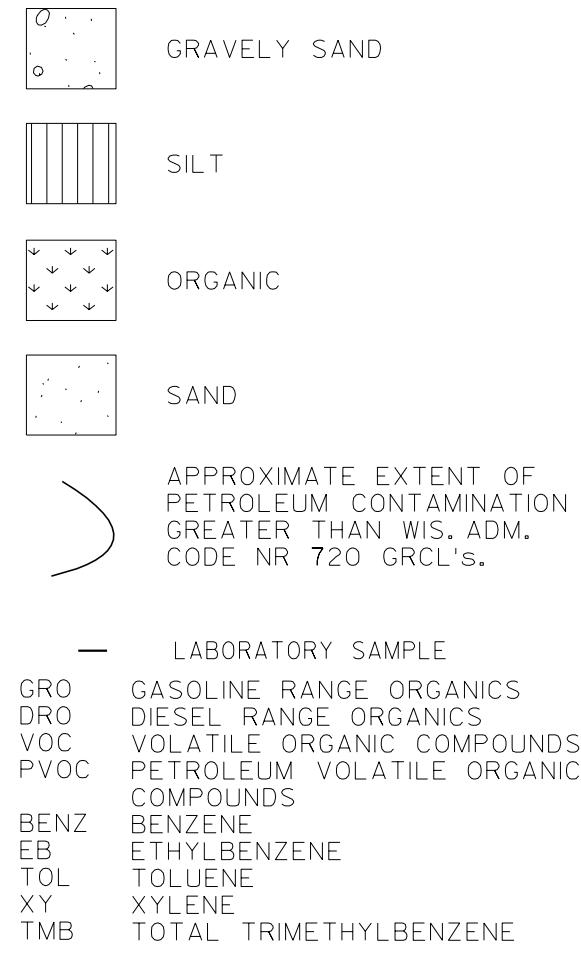
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## LEGEND

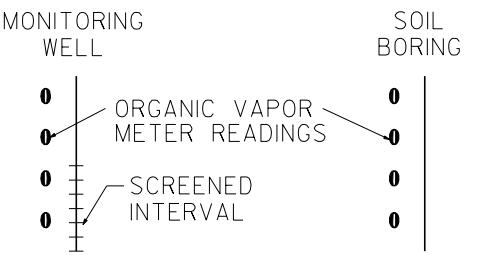


**FIGURE 5**  
**HYDROGEOLOGIC CROSS SECTION**  
**A-A'**  
**BADGER PRECISION**  
**OWEN, WISCONSIN**

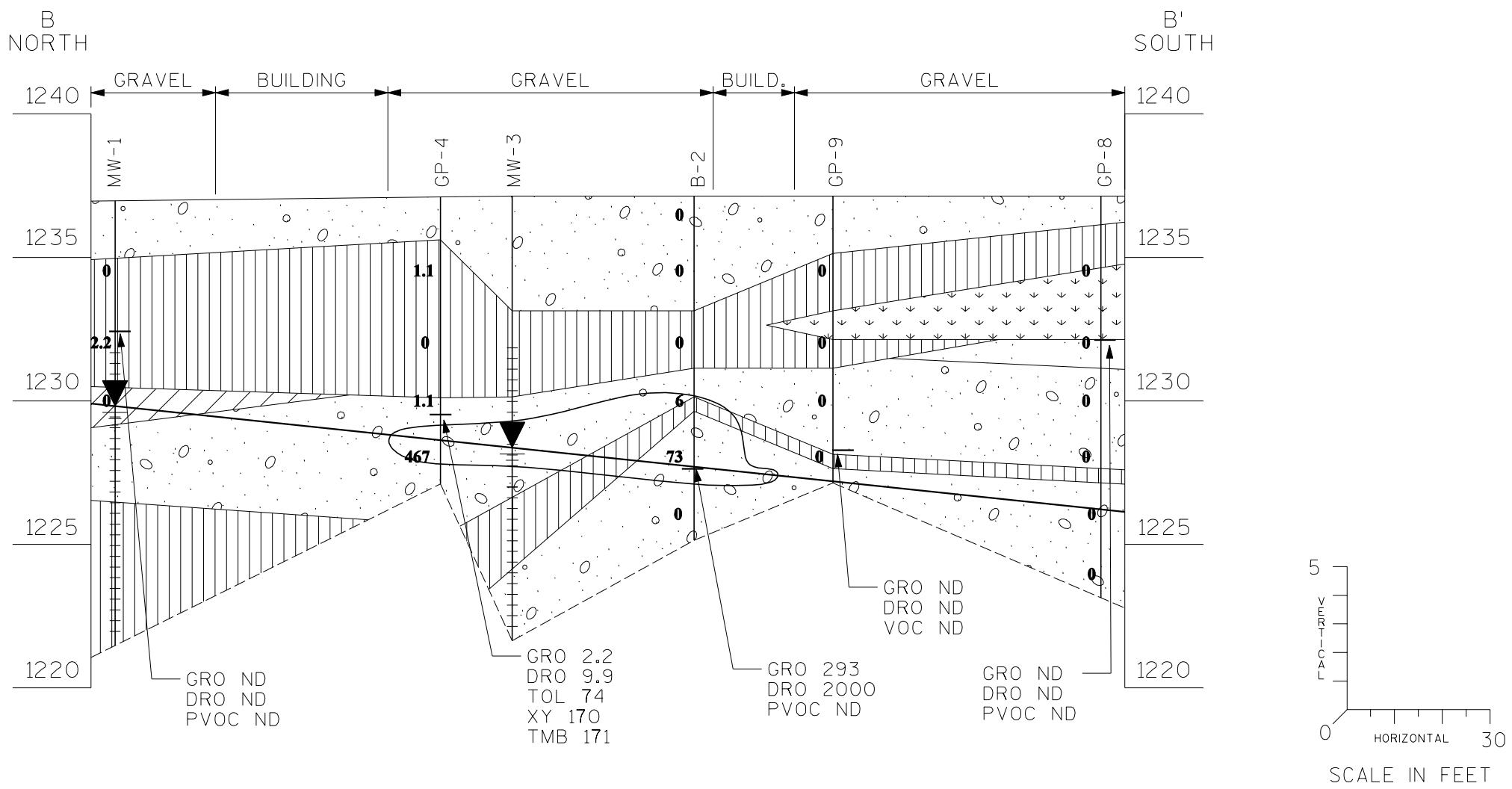
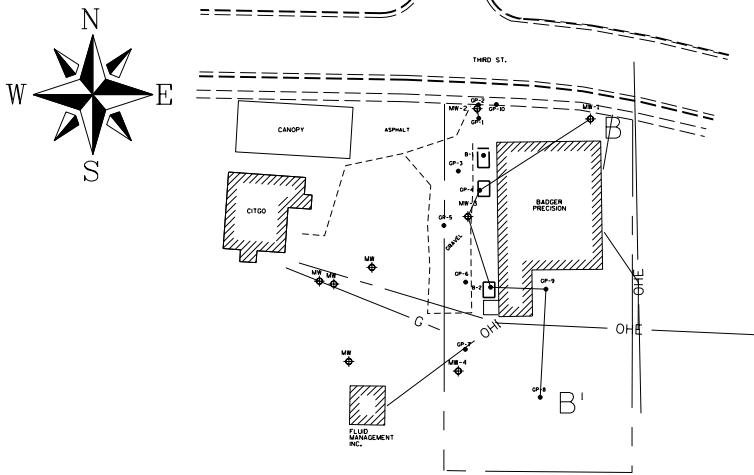
## NOTES:

1. INFORMATION BETWEEN SOIL BORINGS IS INTERPRETED BASED UPON AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN SOIL BORINGS ARE UNKNOWN
  2. GROUNDWATER ELEVATIONS WERE MEASURED ON 00/00/00.
  3. FOR THE PURPOSE OF ILLUSTRATING SUBSOIL CONDITIONS ON THE CROSS SECTIONS, SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS REFER TO SOIL BORING LOGS.
  4. GRO AND DRO RESULTS IN mg/Kg AND PVOC RESULTS IN  $\mu\text{g}/\text{Kg}$ .

## EXPLANATION



## LOCATION OF HYDROGEOLOGIC CROSS SECTION



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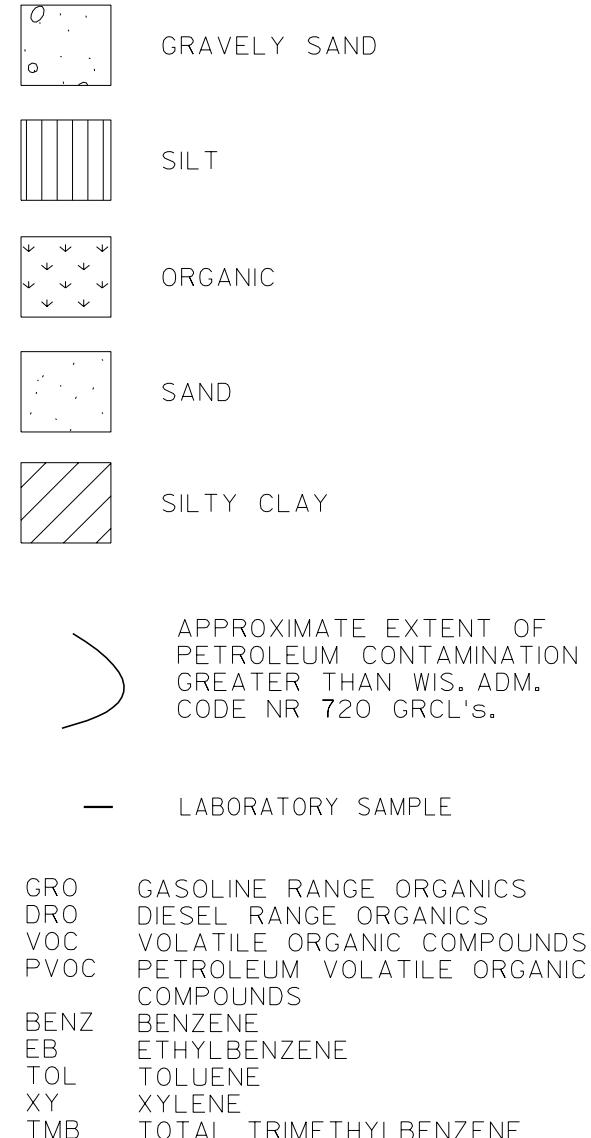
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## LEGEND



**FIGURE 6**  
**HYDROGEOLOGIC CROSS SECTION**  
**B-B'**  
**BADGER PRECISION**  
**OWEN, WISCONSIN**